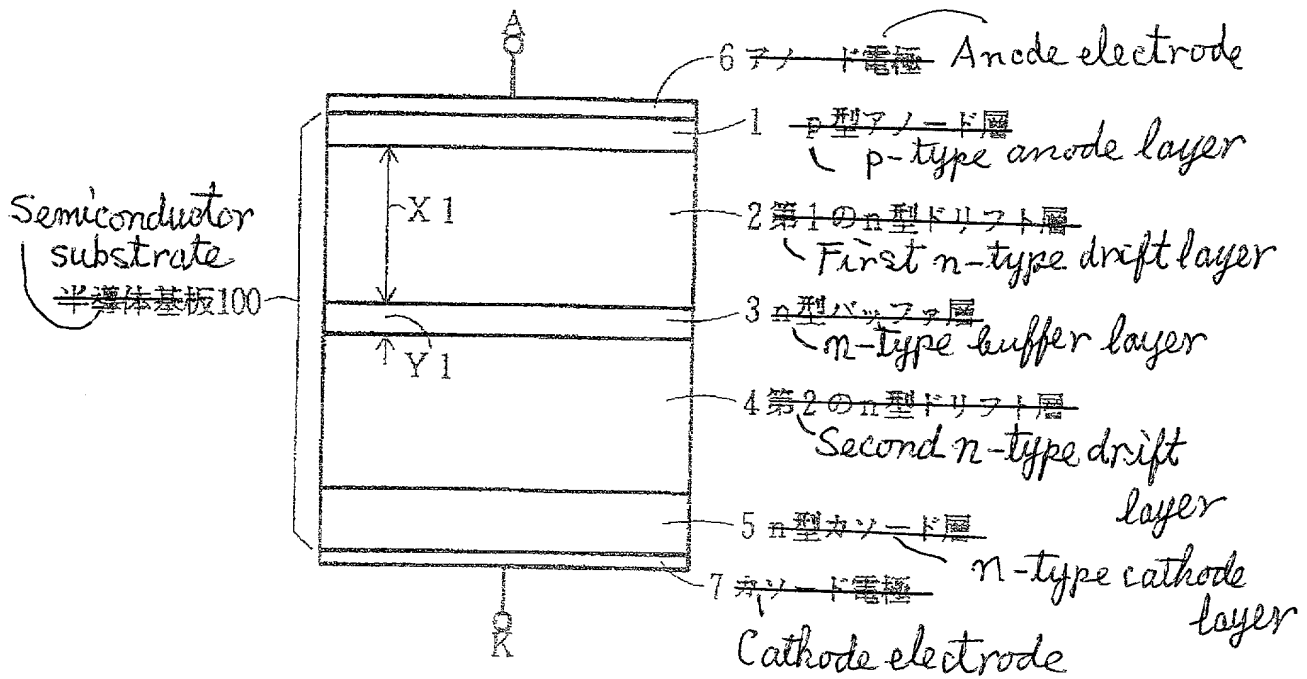


Fig. 1



【図2】

Fig. 2

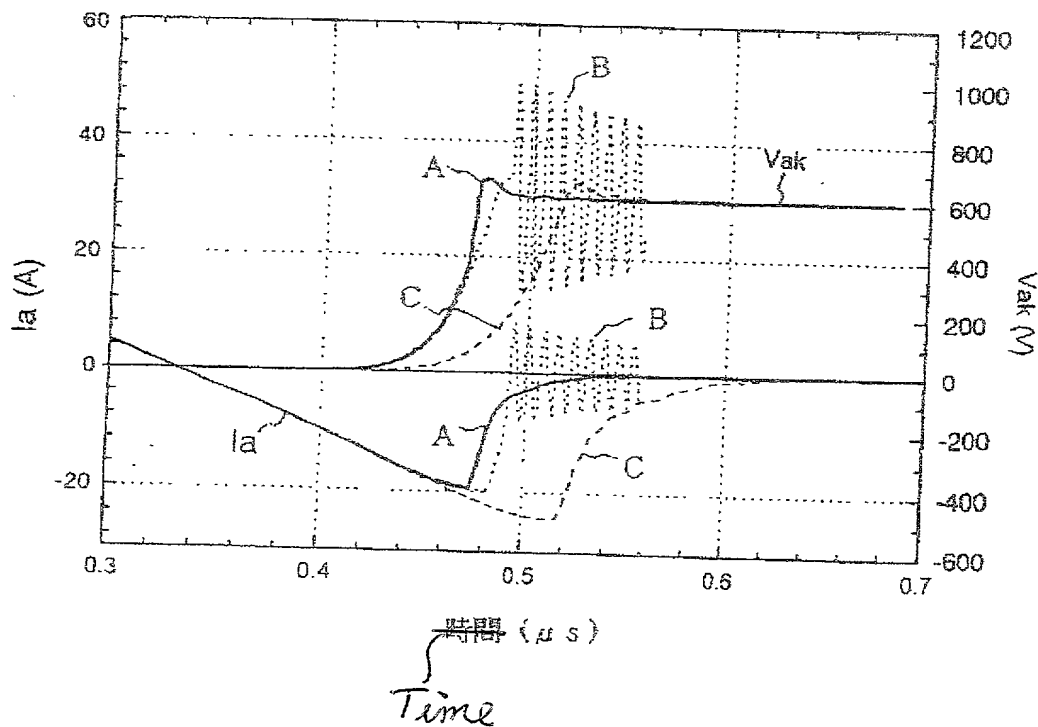


Fig. 3(a)

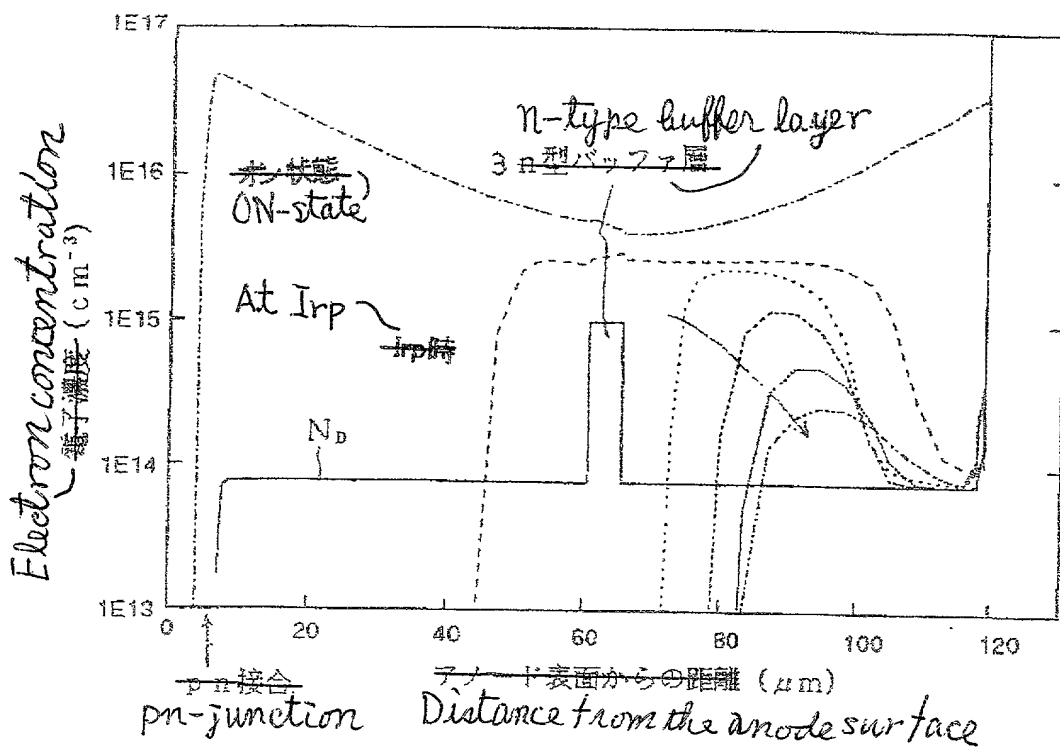


Fig. 3(b)

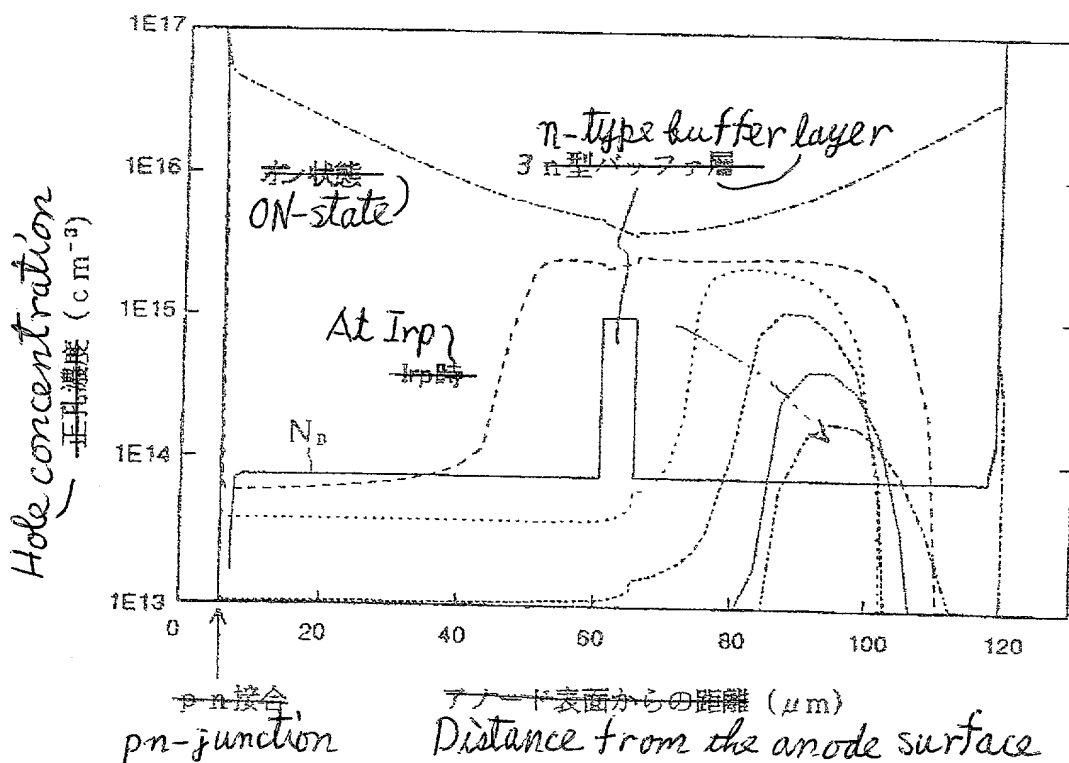


Fig. 4(a)

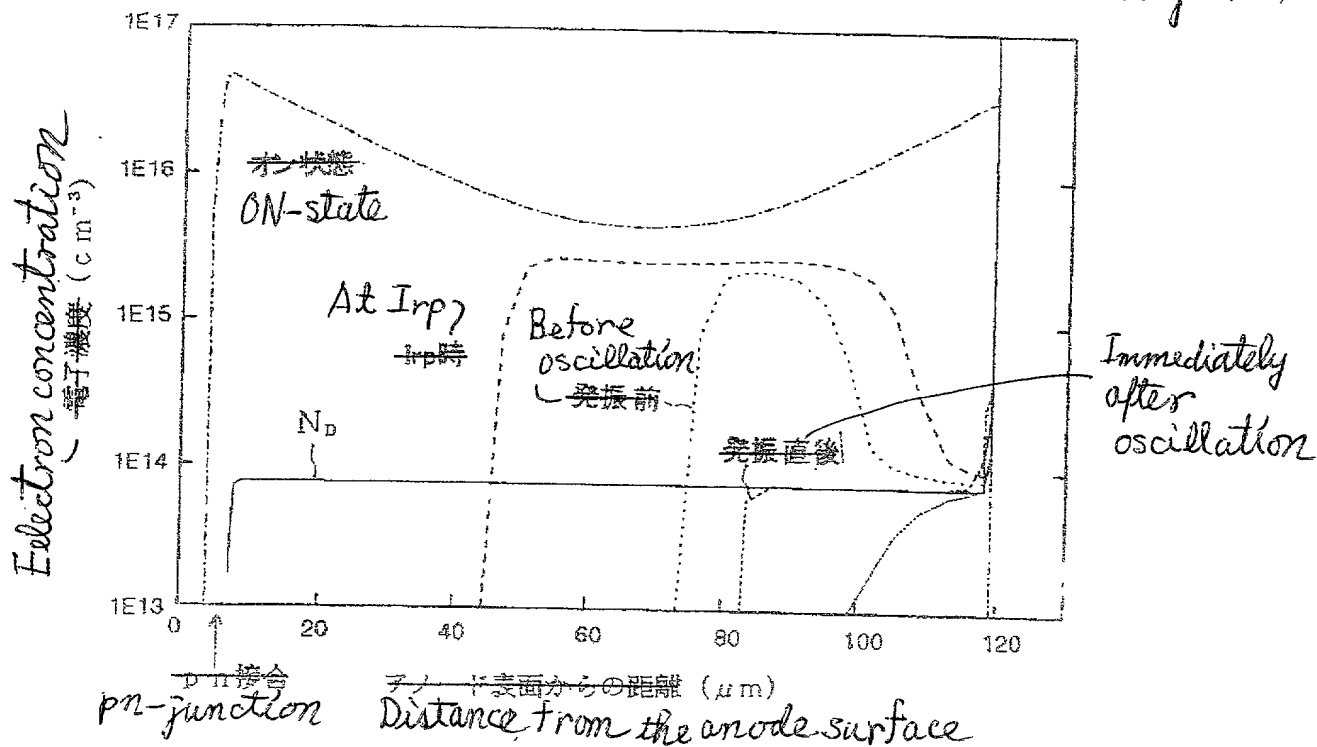


Fig. 4(b)

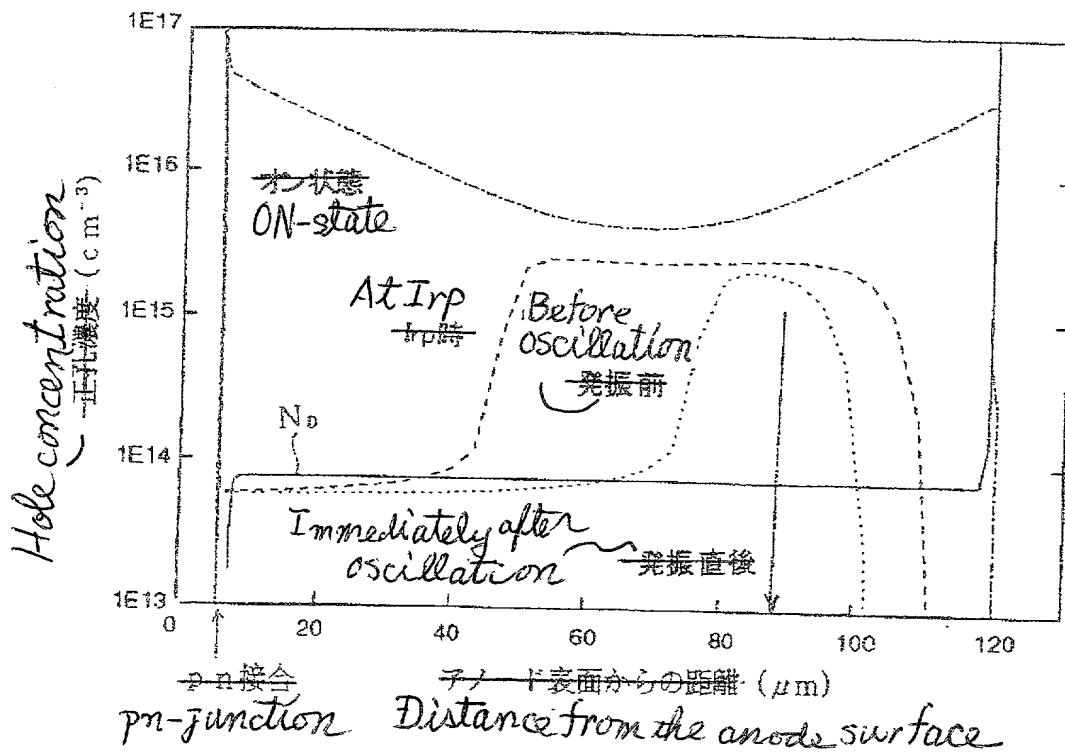


Fig. 5

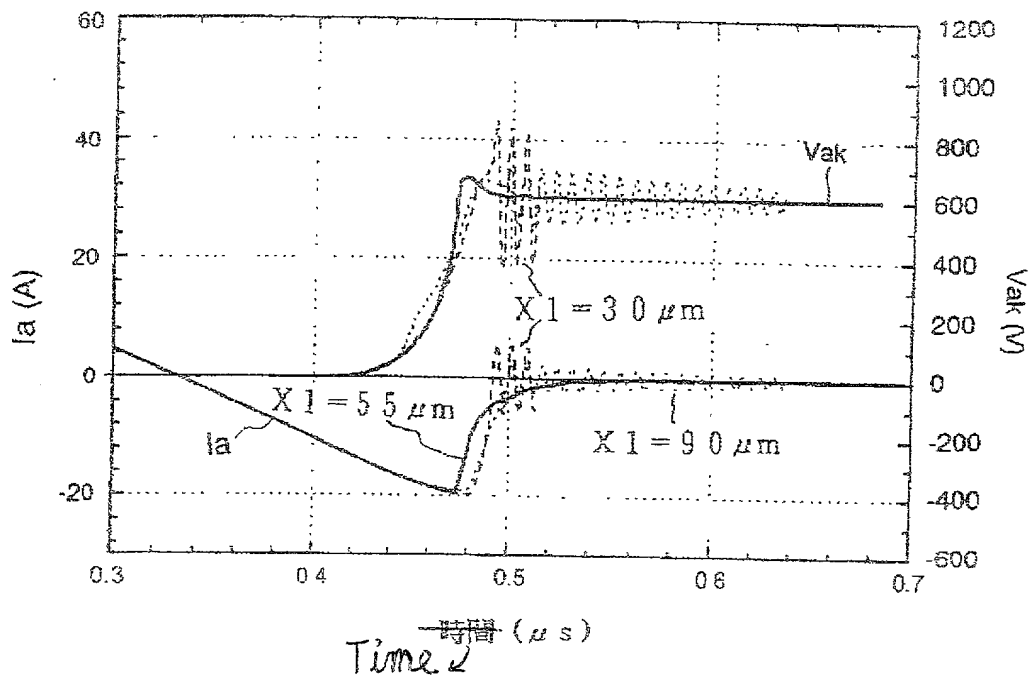


Fig. 6

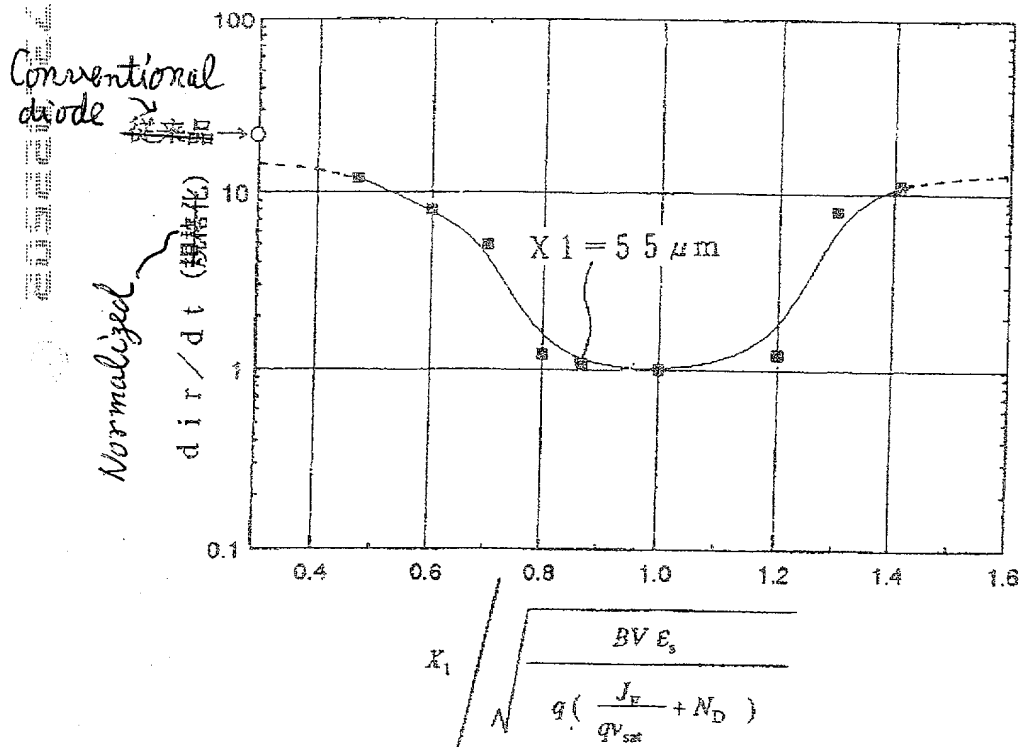
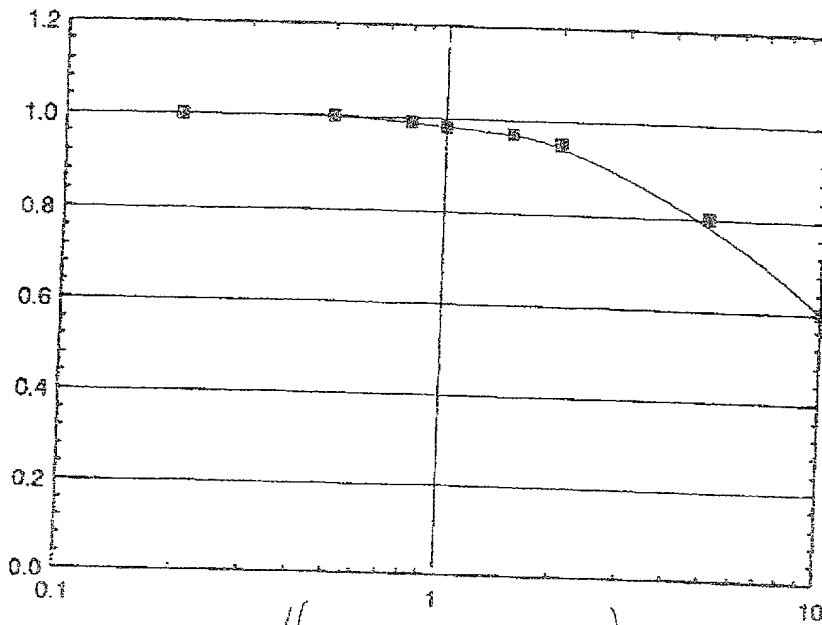


Fig. 7

Breakdown voltage — Normalized
 素子耐圧BV (規格化)



$$Y1 = \left(\sqrt{X_1^2 + \frac{2E_s(V_{bi} + V_{FT})}{qN_{D1}}} - X_1 \right)$$

Fig. 8

Electric field strength
 電界強度 (V/cm)

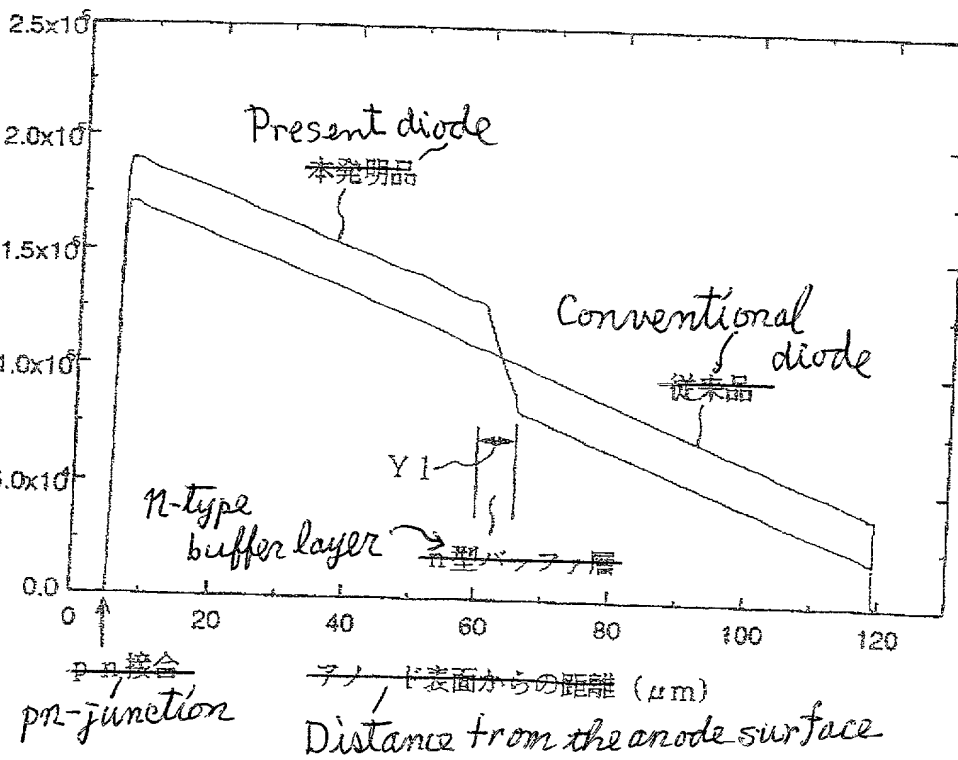


Fig. 9

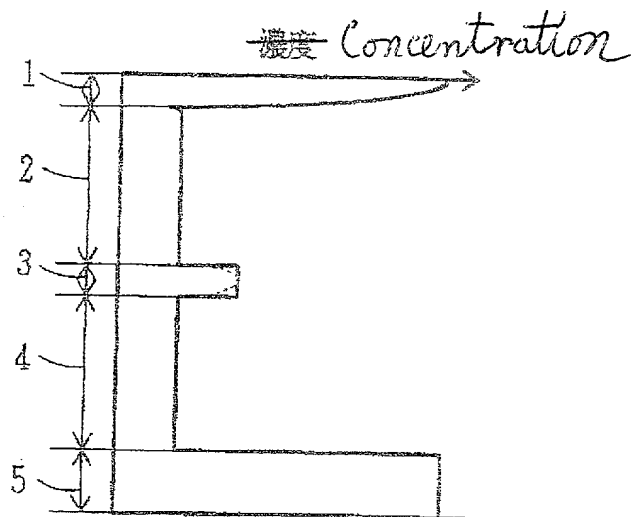


Fig. 10

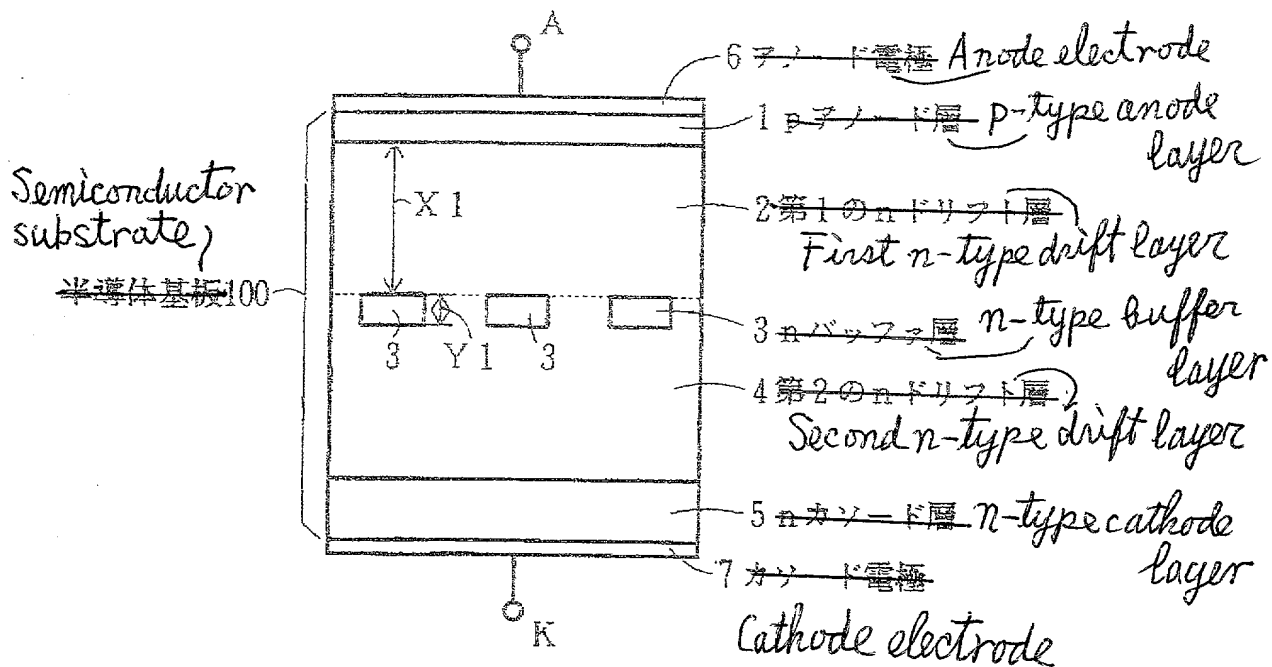
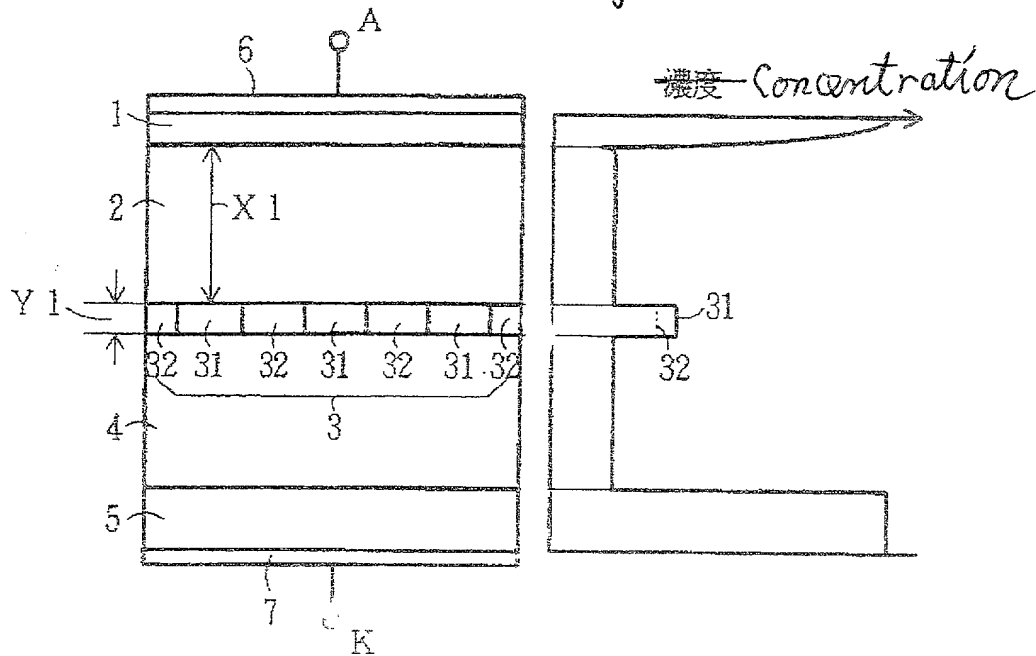


Fig. 11(a)

Fig. 11(b)



31 : : : n型バッファ層 (高濃度) First n-type buffer region (Heavily doped)
 32 : : : n型バッファ層 (低濃度) Second n-type buffer region (Lightly doped)

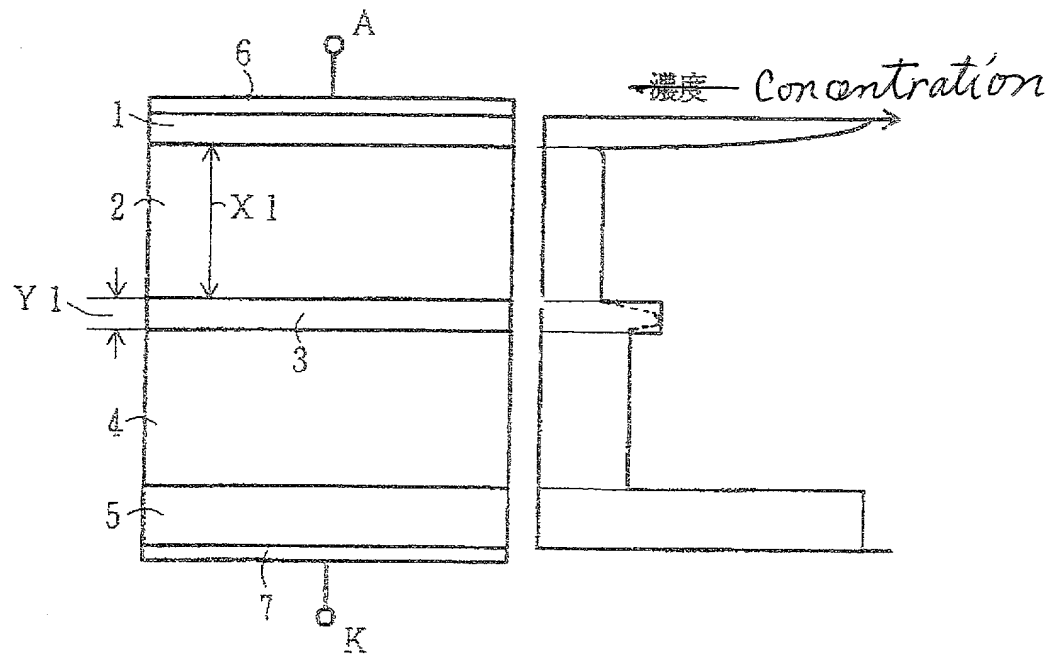


Fig. 12(a)

Fig. 12(b)

Fig. 13(a)

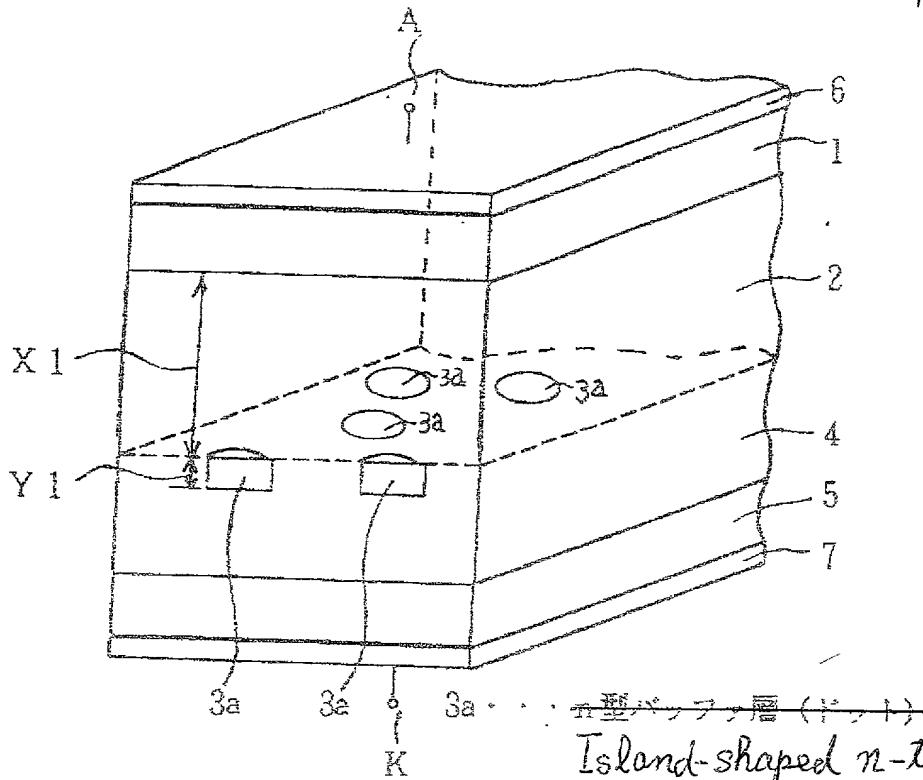


Fig. 13(b)

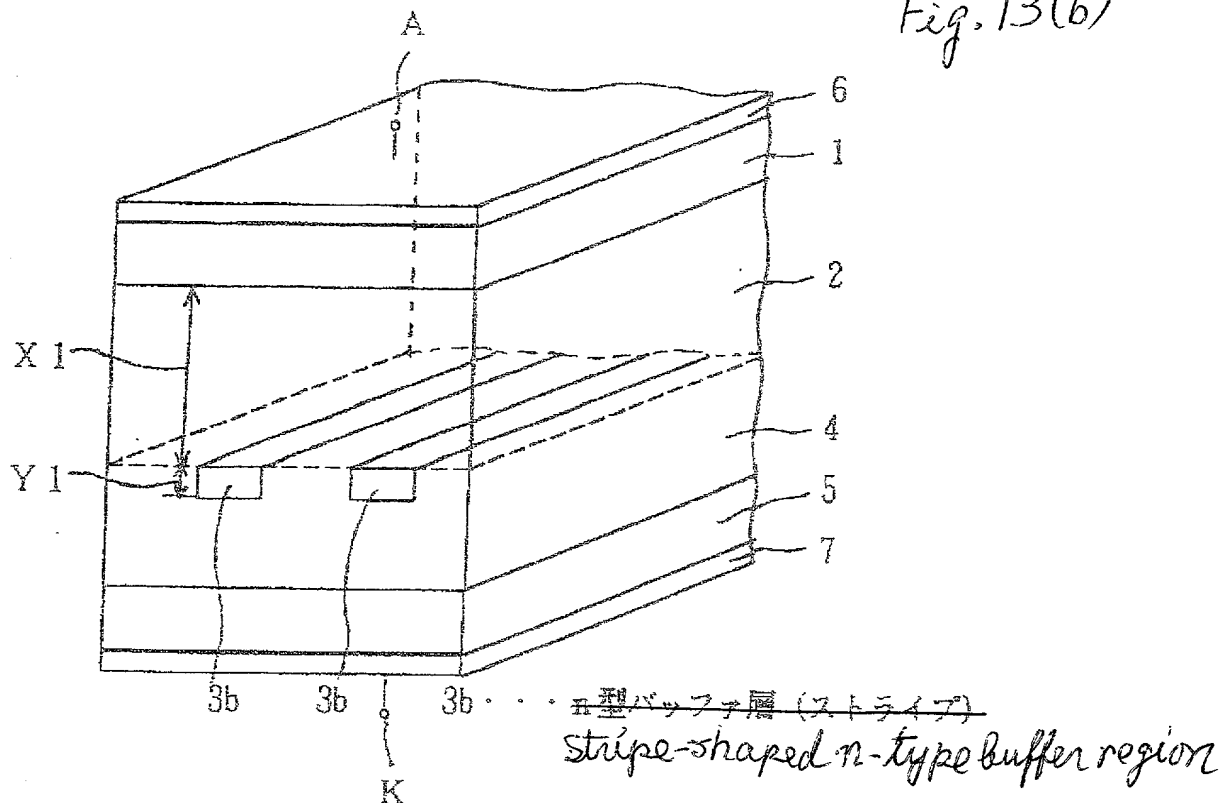
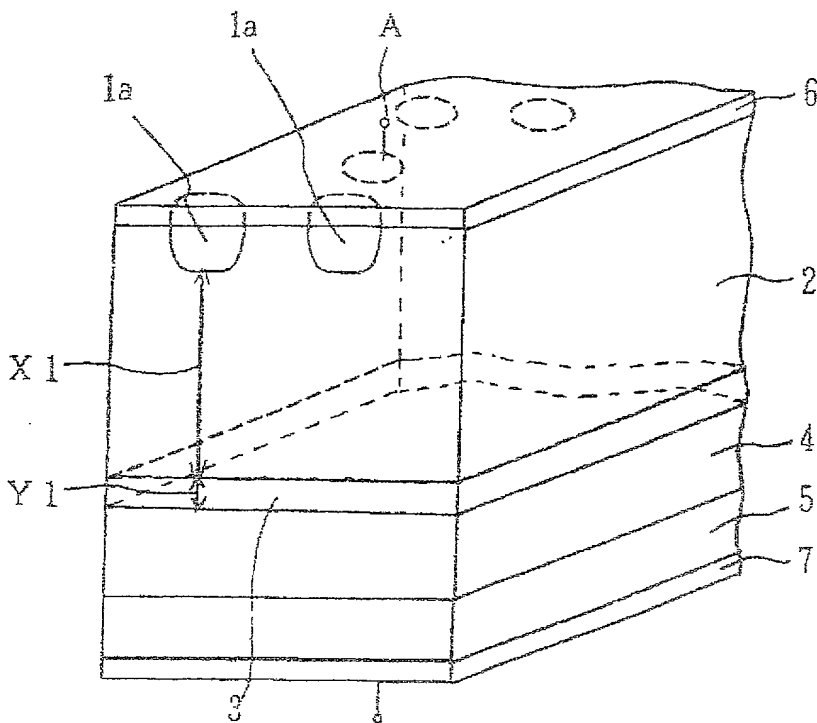
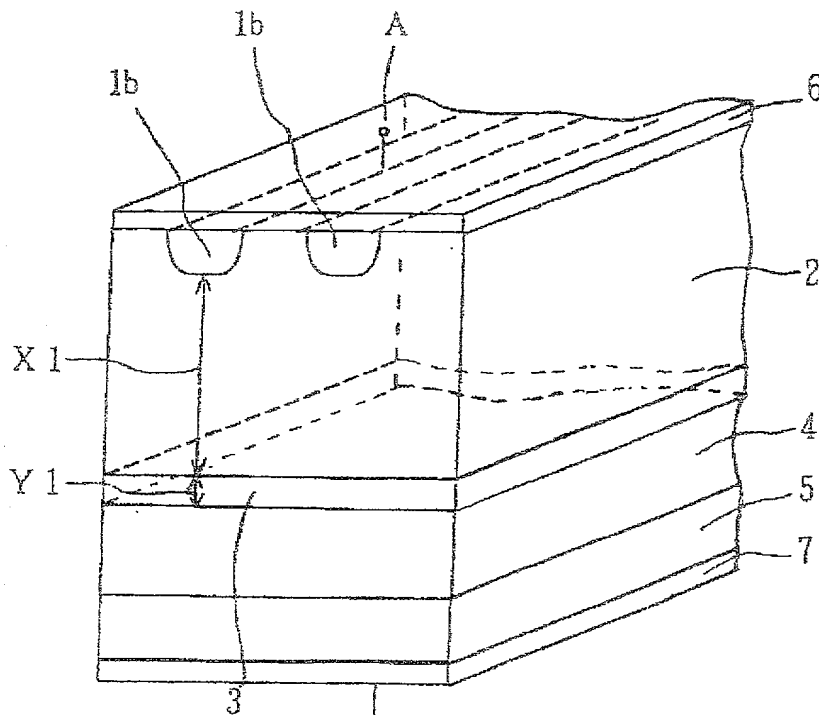


Fig. 14(a)



1a . . . p型アノード層 (ドット)
Island-shaped p-type anode region

Fig. 14(b)



1b . . . p型アノード層 (ストライプ)
Stripe-shaped p-type anode region

Fig. 15(a)

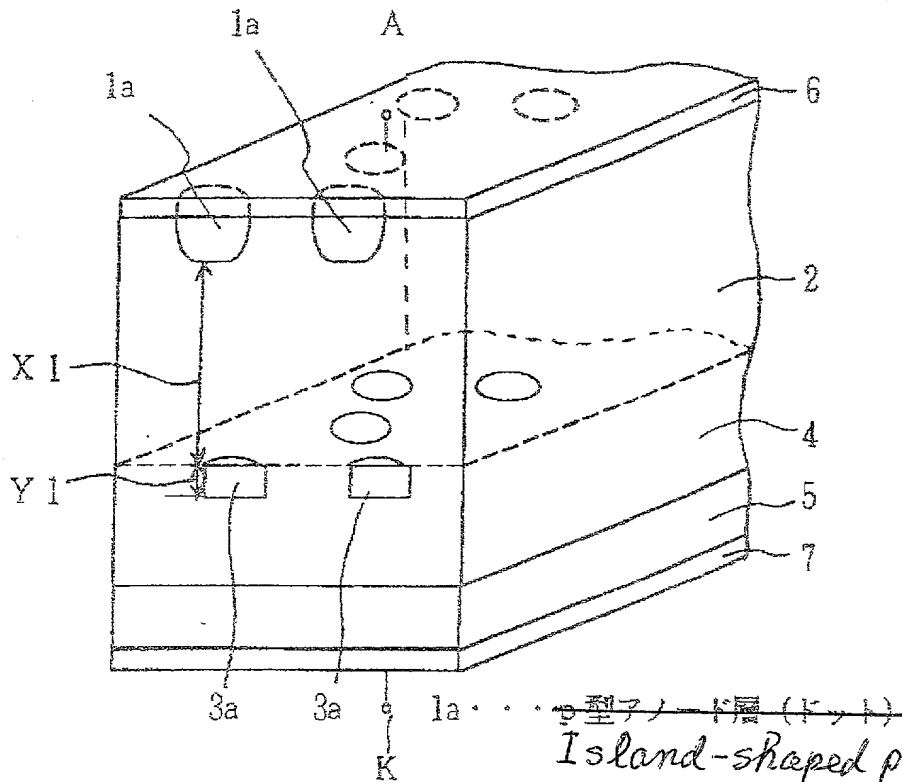


Fig. 15(b)

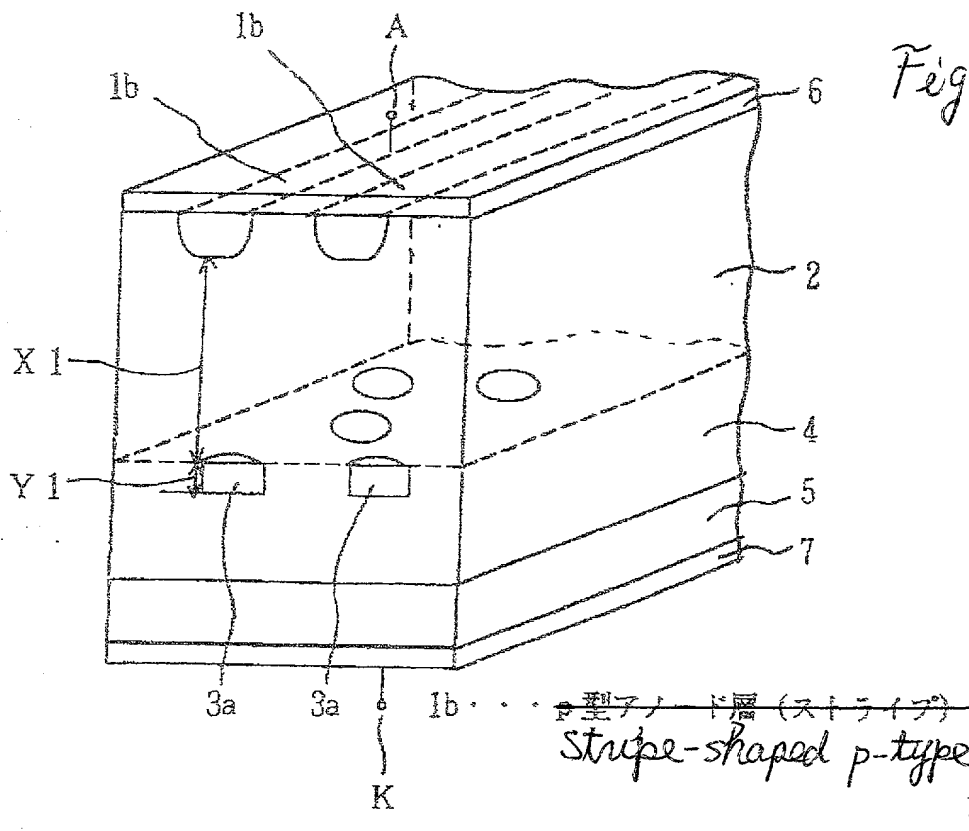
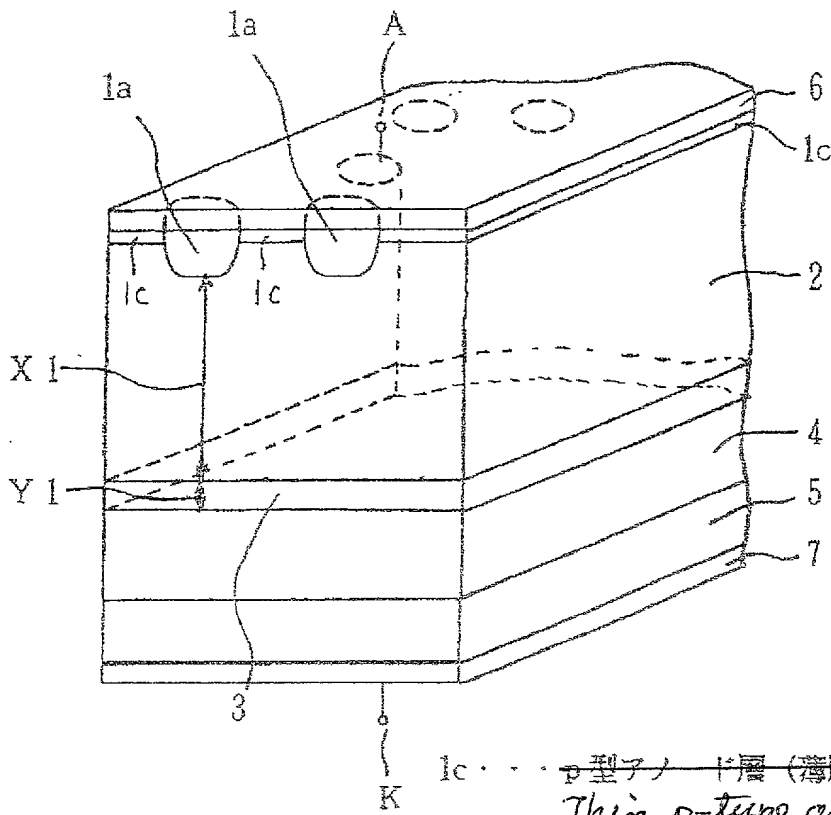


Fig. 19(a)



Thin p-type anode layer

Fig. 19(b)

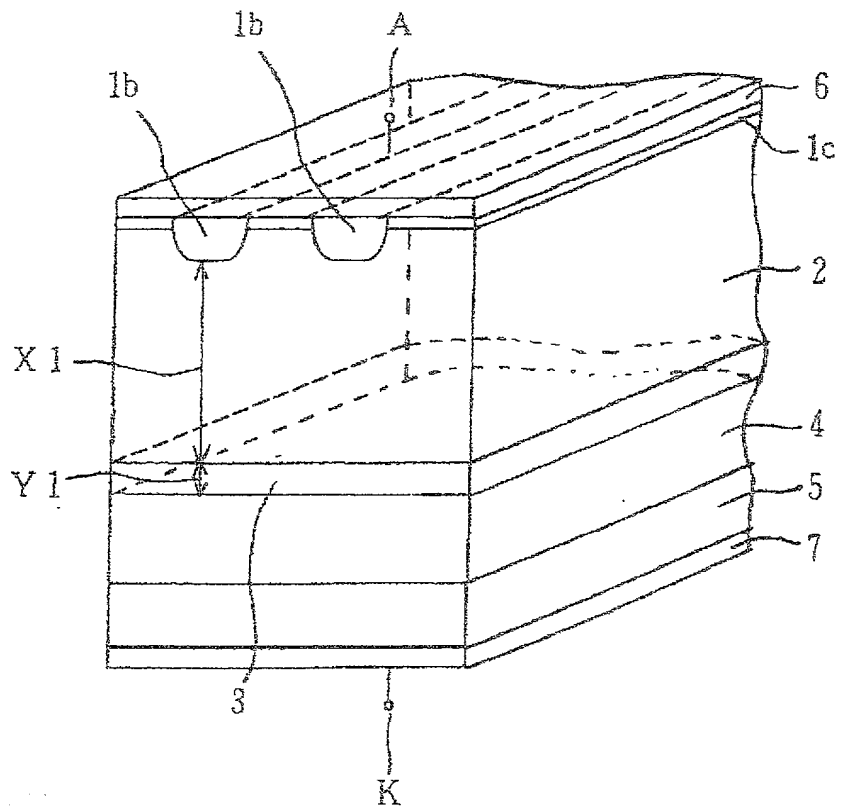


Fig. 21

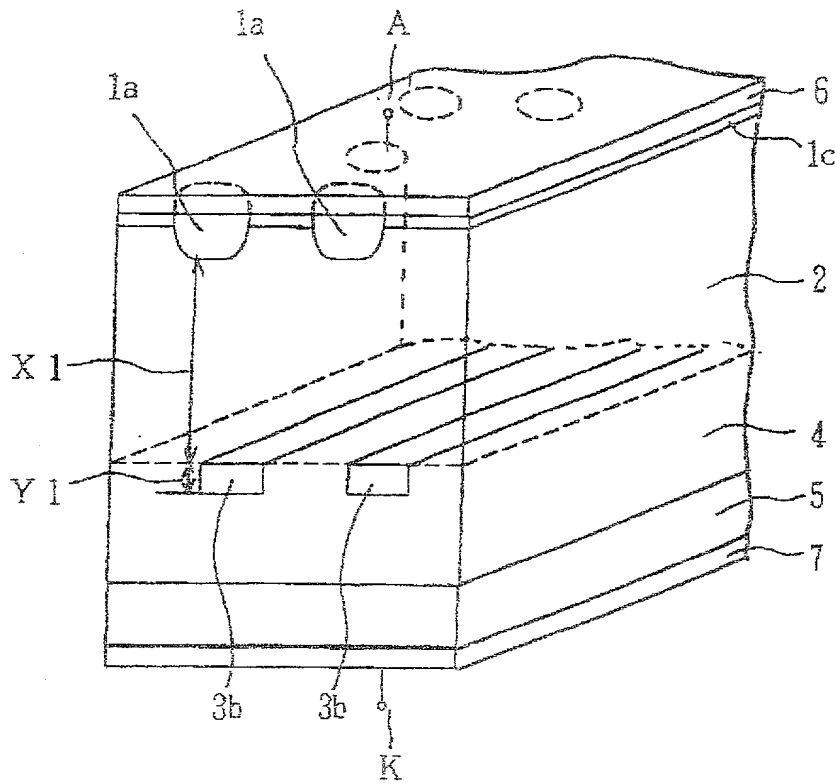


Fig. 22

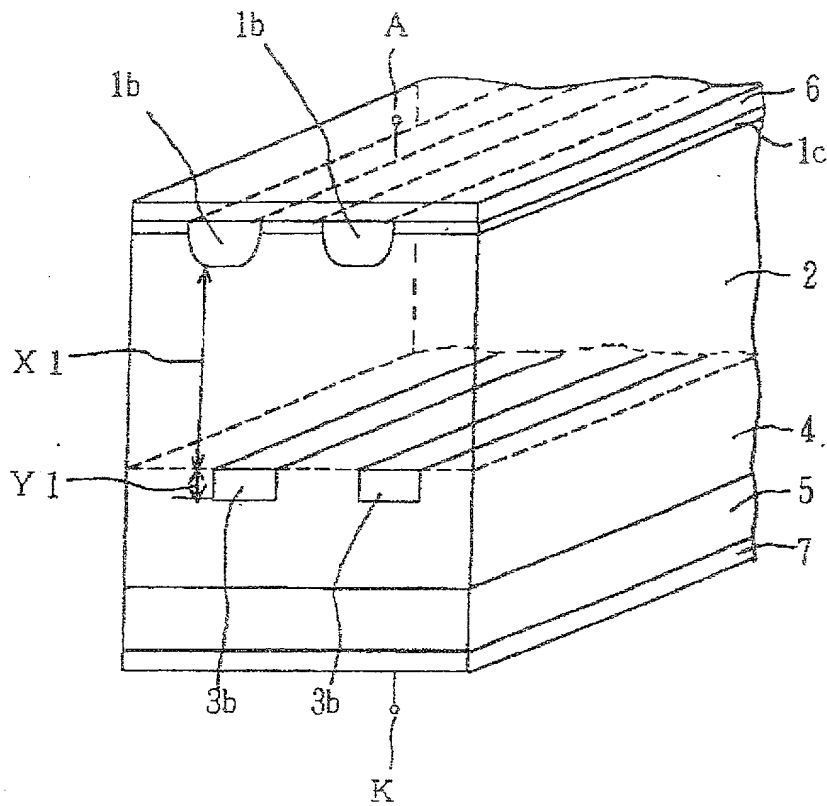


Fig. 23

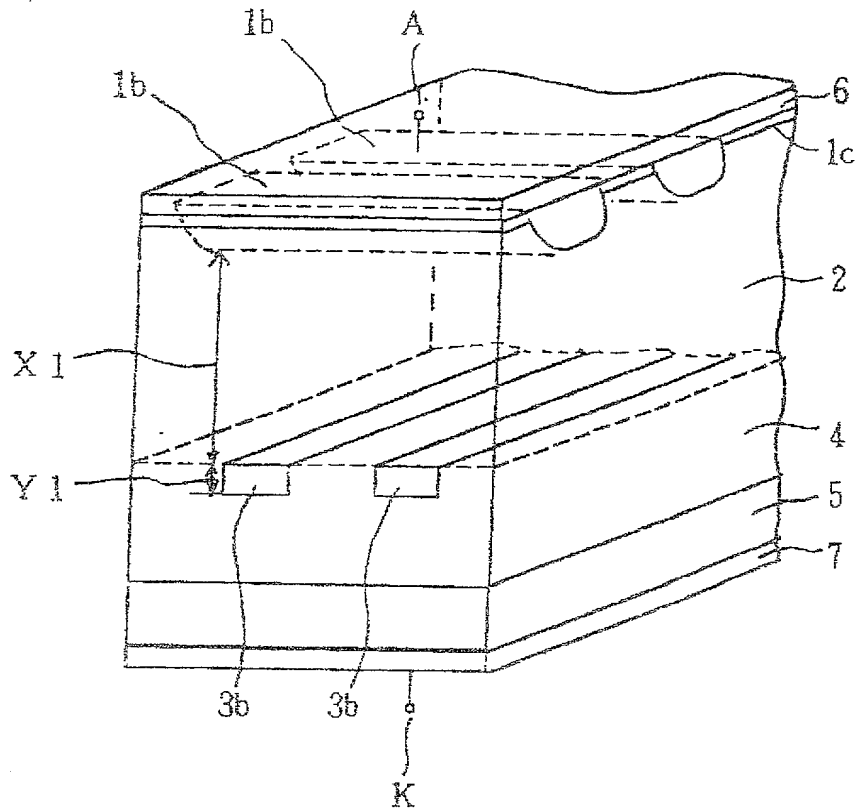


Fig. 24(a)

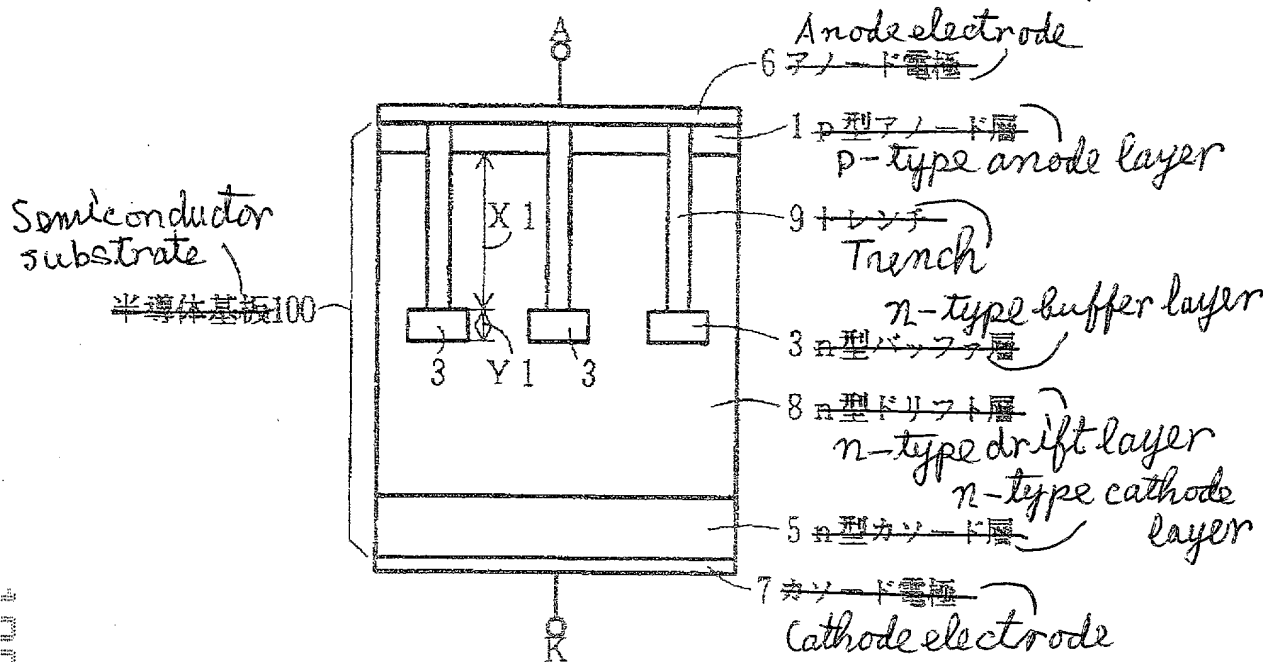
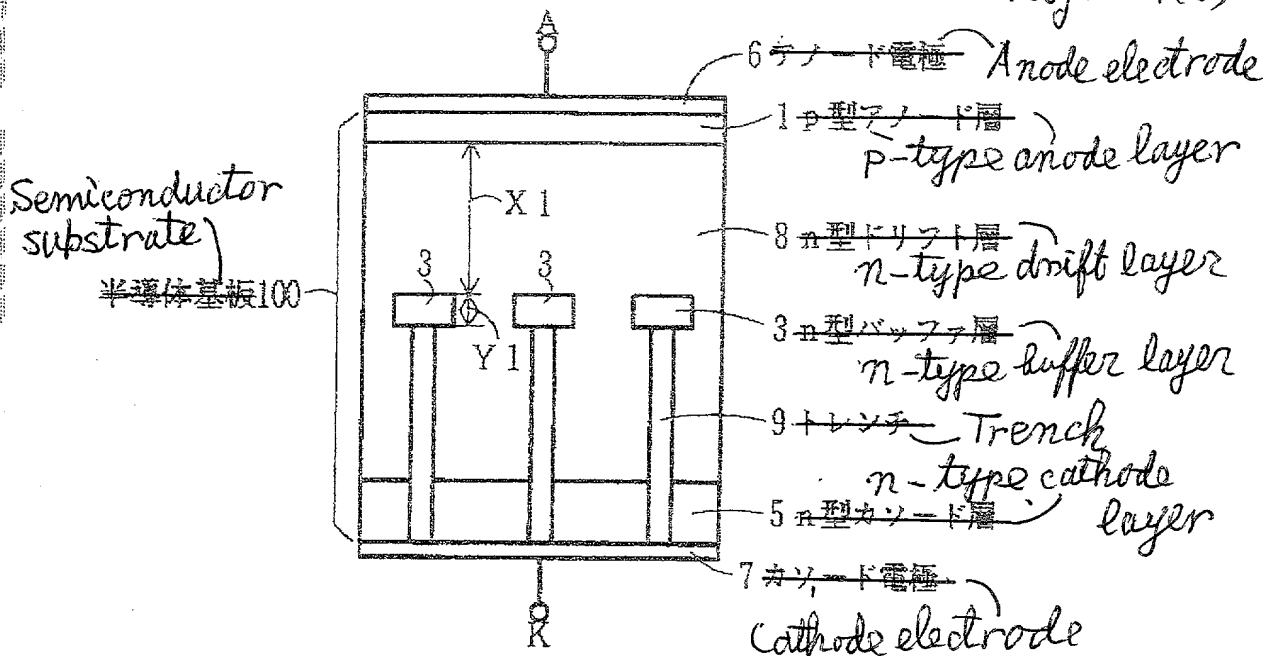


Fig. 24(b)



姓名	性别	年龄	职业	住址	联系电话	电子邮箱	QQ	微信	支付宝	银行卡	身份证	户口本	结婚证	离婚证	其他证件
张三	男	35	教师	北京市朝阳区	13912345678	zhangsan@163.com	123456789	zhangsan	62220000000000000000	110101198808080000	110101198808080000	110101198808080000	110101198808080000	110101198808080000	110101198808080000
李四	女	28	护士	北京市海淀区	13898765432	lisi@163.com	987654321	lisi	62220000000000000000	110102199005050000	110102199005050000	110102199005050000	110102199005050000	110102199005050000	110102199005050000
王五	男	42	工程师	上海市浦东新区	13787654321	wangwu@163.com	876543210	wangwu	62220000000000000000	310101197603030000	310101197603030000	310101197603030000	310101197603030000	310101197603030000	310101197603030000
赵六	女	31	会计	广东省广州市	13676543210	zhaoliu@163.com	765432109	zhaoliu	62220000000000000000	440101198706060000	440101198706060000	440101198706060000	440101198706060000	440101198706060000	440101198706060000
孙七	男	25	程序员	浙江省杭州市	13565432109	sunqi@163.com	654321098	sunqi	62220000000000000000	330101199301010000	330101199301010000	330101199301010000	330101199301010000	330101199301010000	330101199301010000
周八	女	38	医生	江苏省南京市	13454321098	zhouba@163.com	543210987	zhouba	62220000000000000000	320101198004040000	320101198004040000	320101198004040000	320101198004040000	320101198004040000	320101198004040000
吴九	男	45	经理	山东省济南市	13343210987	wujiu@163.com	432109876	wujiu	62220000000000000000	370101197807070000	370101197807070000	370101197807070000	370101197807070000	370101197807070000	370101197807070000
郑十	女	33	销售	河南省郑州市	13232109876	zhengshi@163.com	321098765	zhengshi	62220000000000000000	410101198509090000	410101198509090000	410101198509090000	410101198509090000	410101198509090000	410101198509090000
冯十一	男	29	设计师	四川省成都市	13121098765	foneshi@163.com	210987654	foneshi	62220000000000000000	510101199102020000	510101199102020000	510101199102020000	510101199102020000	510101199102020000	510101199102020000
陈十二	女	36	教师	安徽省合肥市	13010987654	chenshi@163.com	109876543	chenshi	62220000000000000000	340101198405050000	340101198405050000	340101198405050000	340101198405050000	340101198405050000	340101198405050000
林十三	男	41	工程师	福建省福州市	12909876543	linshi@163.com	098765432	linshi	62220000000000000000	350101197708080000	350101197708080000	350101197708080000	350101197708080000	350101197708080000	350101197708080000
周十四	女	34	护士	江西省南昌市	12898765432	zhoushi@163.com	987654321	zhoushi	62220000000000000000	360101198601010000	360101198601010000	360101198601010000	360101198601010000	360101198601010000	360101198601010000
吴十五	男	43	经理	湖北省武汉市	12787654321	wushi@163.com	876543210	wushi	62220000000000000000	420101197503030000	420101197503030000	420101197503030000	420101197503030000	420101197503030000	420101197503030000
郑十六	女	32	会计	湖南省长沙市	12676543210	zhengshi@163.com	765432109	zhengshi	62220000000000000000	430101198906060000	430101198906060000	430101198906060000	430101198906060000	430101198906060000	430101198906060000
冯十七	男	27	程序员	贵州省贵阳市	12565432109	foneshi@163.com	654321098	foneshi	62220000000000000000	520101199209090000	520101199209090000	520101199209090000	520101		

Fig. 25

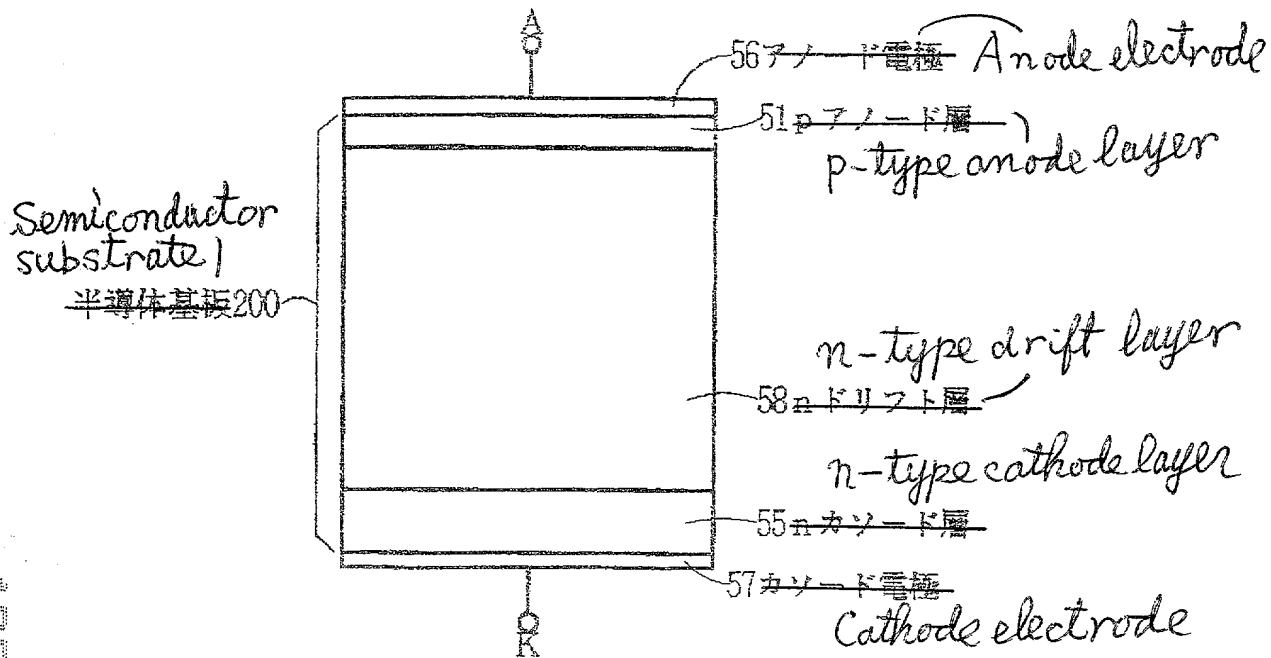


Fig. 26

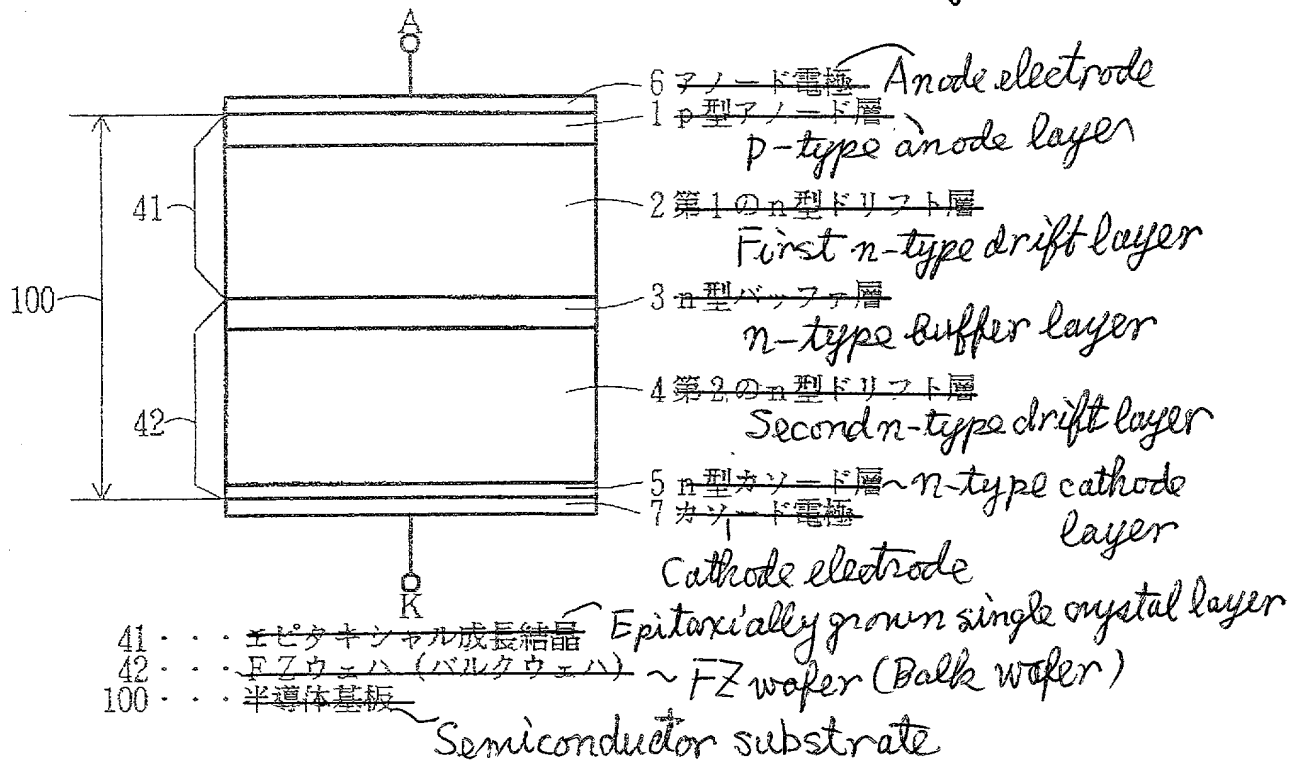


Fig. 27

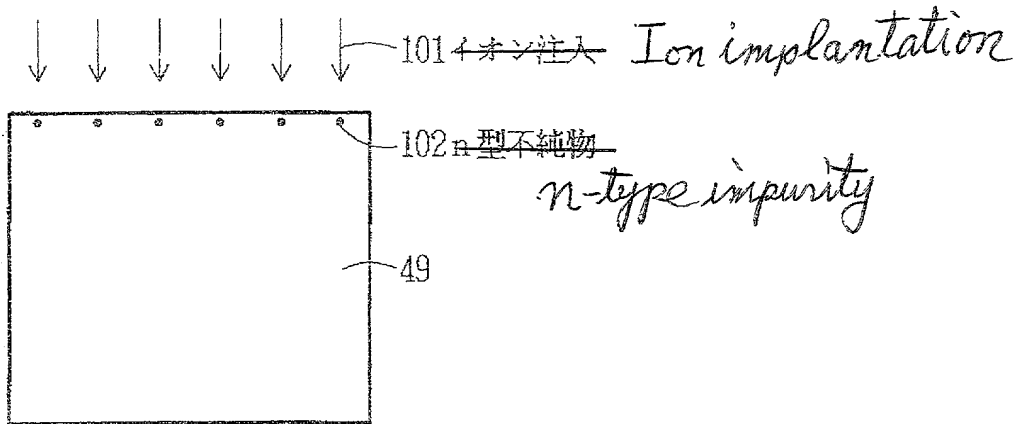


Fig. 28

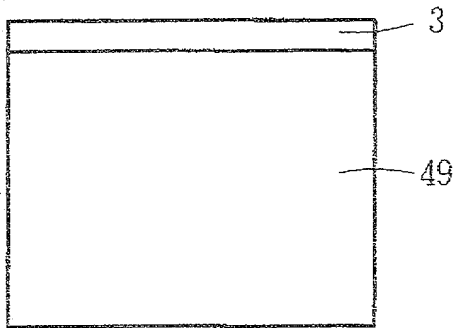


Fig. 29

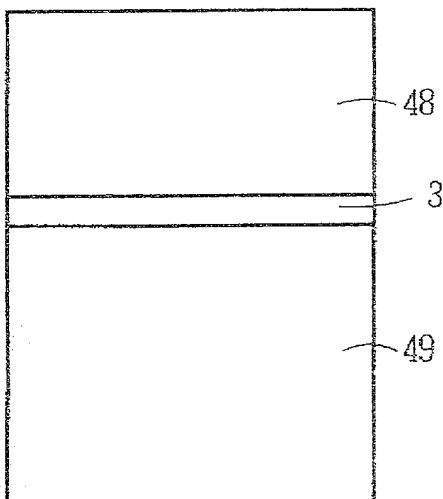


Fig. 30

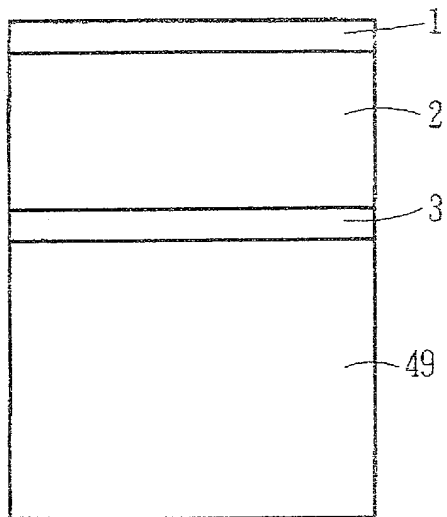


Fig. 31

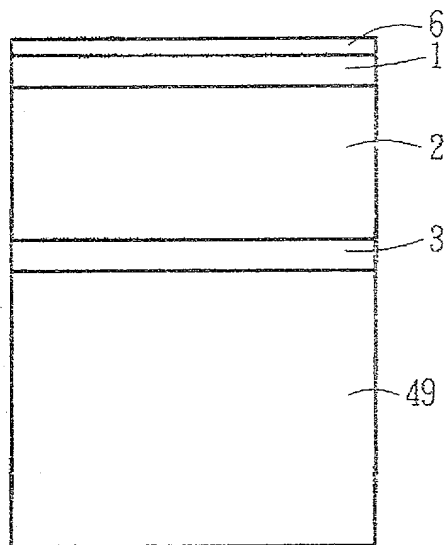


Fig. 32

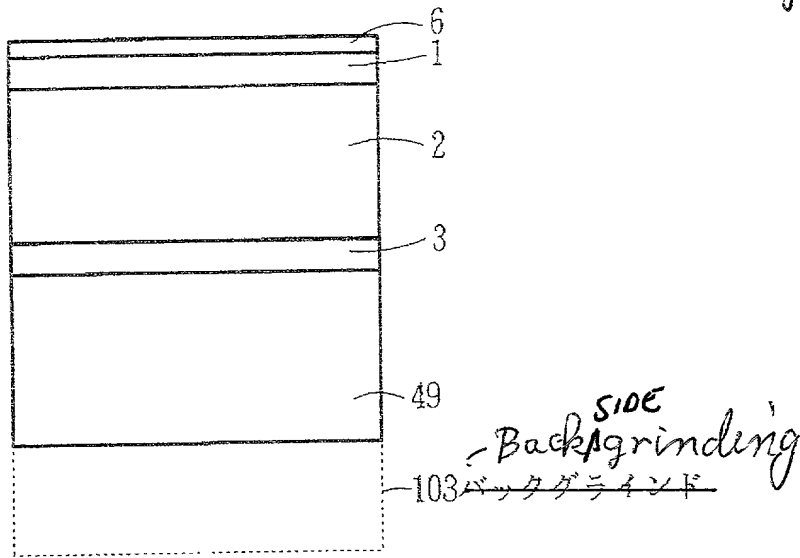


Fig. 33

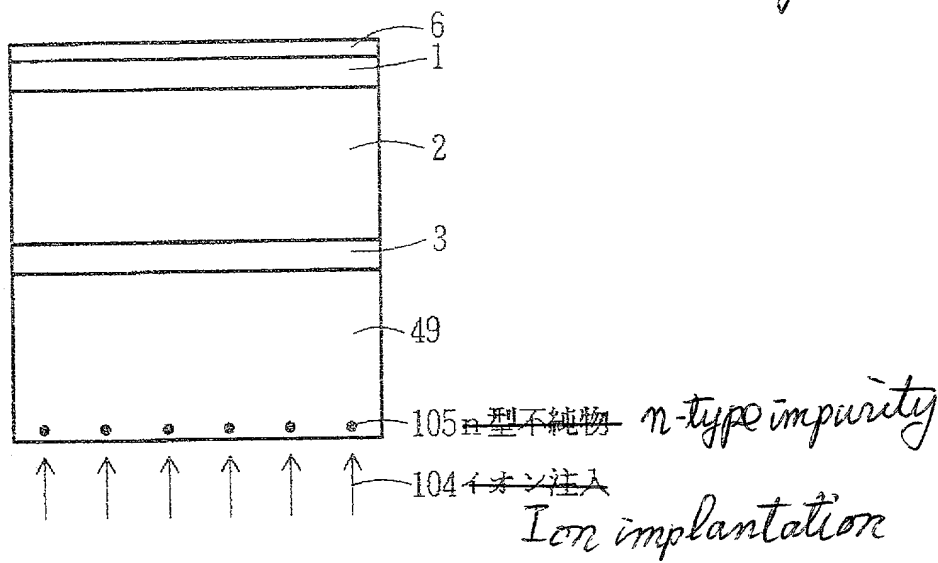


Fig. 34

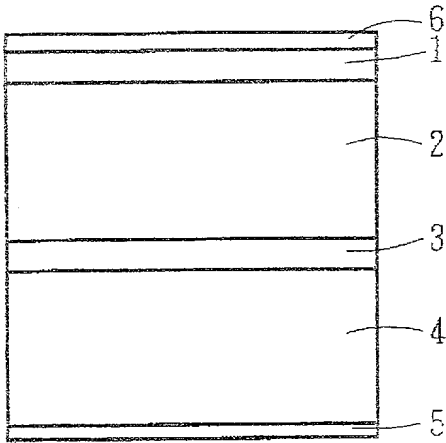


Fig. 35

